

W/O:		WORK ORDER CHANGES										
DATE	STEP	PROCEDURE CHANGE		-	P PROCEDURE CHANGE By		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
Alon(os	6		Split	Wo			83	07/09/05	5			
				7		w						
			4									

Part No: D3610-04/ PAR #: NA Fault Category: Prod Melino fats NCR: Yes No DQA: Date: 0768/06

QA: N/C Closed: Date: 07.09.06

NCR:	328	3Q WC	ORK OR	DER NON-CONFORMANCE	E (NCR)						
		Description of NC		Corrective Action Section B	Verification	Approval	Approval				
DATE	STEP	STEP	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector	
Av&29	3.0/	marimum. 0.020 deep.	Pasicur	weld, per asion, grind Plush	Jil ha	Para	POSIOIZ	er Avolon			
076 V	30	tool puls out of liter part is 1.200 insteady	//	Scrot and replace AND remove tout.	J.L oalosta	Para of	Postur	Sur- M-6/29			
o7lo9lo3	3.0	piece move when machining	Casiar	Scrap, no replace	J.F. 07/09/0	3 10000	Pessoer	FA040			

NOTE: Date & initial all entries

SEE back of page to.

Wednesday, 6/6/2007 3:06:15 PM Date: "User: Kim Johnston rocess Sheet Drawing Name: BRACKET Customer: CU-DAR001 Dart Helicopters Services Part Number: D3610041 Job Number: 32832 Job Number: Description: Seq. #: Machine Or Operation: SMALL & MEDIUM FAB RESOURCE 1 6.0 SMALL FAB 1 Comment: SMALL & MEDIUM FAB RESOURCE 1 1-C'SINK AS PER DWG D3610 INSPECT WORK TO CURRENT STEP 7.0 TO CURRENT STEP POWDER COATING Comment: POWDER COATING Powder Coat Grey Sandtex (Ref. 4.3.5.6) as per QSI 005 4.3 9.0 INSPECT POWDER COAT/CHEMICAL CONVERSION Comment: INSPEC POWDER COAT/CHEMICAL CONVERSION 10.0 MS21075L3 Comment: Qty.: Total: 20.0000 Each(s) 1.0000 Each(s)/Unit Nutplate 13 Comment: Qty.: 2.0000 Each(s)/Unit Total: RIVET 13 batch: SMALL & MEDIUM FAB RESOURCE 1 12.0 Comment: SMALL & MEDIUM FAB RESOURCE 1 Rivet Nut Plate as per Dwg D3610 13.0 INSPECT WORK TO CURRENT STEP QC5 Comment: INSPECT WORK TO CURRENT STEP

Form: mrocess

Page 2

# Dart Aerospace Ltd

W/O:		WORK ORDER C	HANGES				
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approva QC Inspector

Part No:	PAR #:	Fault Category:	NCR: Yes No DQA:	Date:
			QA: N/C Closed:	Date:

NCR:		WORK ORDER NON-CONFORMANCE (NCR)									
2011 - 2010 - 40		Description of NC		Corrective Action Section B	3	Verification	Anneousl	Approval			
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	QC Inspector			
A-05-04	3.0	R.C.S. or gin slightly off.	Pasium	Part acceptable. See e-mail	NIA	Porosot-	Posicur	100-00-04			
		oper col-up even.				34	2	,			
			200								

NOTE: Date & initial all entries

Wednesday, 6/6/2007 3:06:15 PM Date: User: Kim Johnston **Process Sheet** Drawing Name: BRACKET Customer: CU-DAR001 Dart Helicopters Services Part Number: D3610041 Job Number: 32832 Job Number: Description: Seq. #: Machine Or Operation: PACKAGING RESOURCE #1 PACKAGING 1 14.0 Comment: PACKAGING RESOURCE #1 Identify and Stock Location:\_ 15.0 Comment: FINAL INSPECTION/W/O RELEASE U 8709-06 Job Completion

Dart Aerospace	Ltd
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CONTROL OF SEC.									
W/O:		All All	WORK ORDER	CHANGES					
DATE	STEP	PR	OCEDURE CHANGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
	n)								
			V						
Part No	:	PAR #:	Fault Category:	NCF	R: Yes	No DQ	A:	_ Date: _	
					QA:	N/C Close	d:	_ Date: _	
NCR.			WORK ORDER NON-COM	NFORMANCE	(NC	R)			

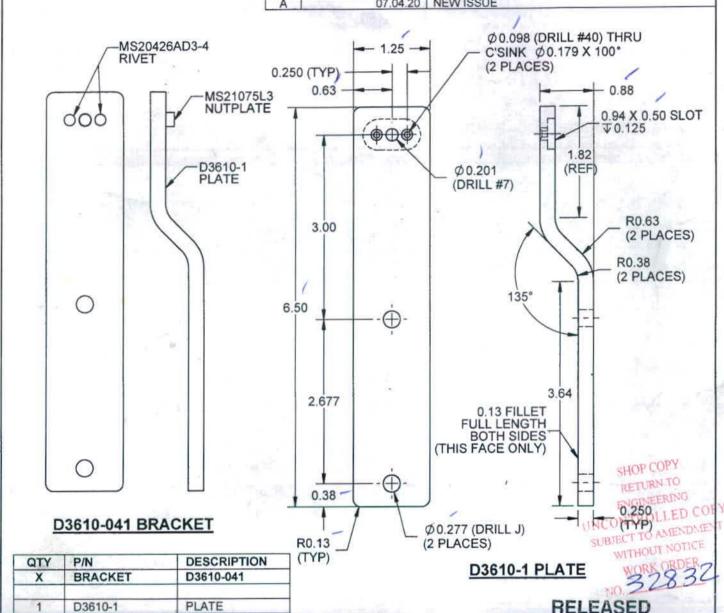
NCR:		Wo	ORK OR	DER NON-CONFORMANO	E (NCR)								
		Description of NC		Corrective Action Section B		Verification	Annanal	Approval QC Inspector					
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng						
		1 1 1 1 1											
						1.							
				#		1 2							

NOTE: Date & initial all entries





07.04 25



MS21075L3

MS20426AD3-4

<u>D3610-041 NOTES:</u>
1) IDENTIFY WITH DART P/N "D3610-041" USING FINE POINT PERMANENT INK MARKER

- 1) MATERIAL: 4130N STEEL BAR PER MIL-S-6758 OR AMS 6348 OR 6370 OR 6528 (REF DART SPEC M4130N-B) OR 4140N STEEL BAR PER MIL-S-5626 OR AMS 6382 OR 6349 OR 6529 (REF DART SPEC M4140N-B)
- 2) FINISH: POWDER COAT GREY SANDTEX (4.3.5.6) PER DART QSI 005 4.3 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED

NUTPLATE

RIVET

5) BREAK ALL SHARP EDGES 0.005 TO 0.010 MAX

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DART AEROSPACE LTD	Work Order:	32832
Description: pracket	Part Number:	D3610-041
Inspection Dwg: \2\000000 Rev: A		Page 1 of 1

## FIRST ARTICLE INSPECTION CHECKLIST

X	First Article	Prototype

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
1.25	+ .030	1.251	/			
.63	± .030	.629	/			
4-098	1.002	.098	/			
0.201	+.003	.202	/			
6.50	± .030	6-500	/			
3.00	No.					
2.677	+-010	2.677	/			
.38	030	.38	1			
Ø.277	- 1001	-279	1			
(.13	030	-130	1			
. 88	+.030	.875	1			
ZG1 JOOZ. X 49-		935x.499 J.	22/			
.250	t .010	.250	1			
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						7.

Measured by:	フト	Audited by:	36	Prototype Approval:	117 11 117 117
Date:	07/08/29	Date:	02.08.29	Date:	

Rev	Date	Change	Revised by	Approved
A		New Issue	KJ/JLM	

M. H. William		
11.5		
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## Jason Murdoch

From:

David Shepherd [dshepherd@dartaero.com]

Sent:

Thursday, August 30, 2007 3:43 PM

To:

'Jason Murdoch'

Cc:

'Leanne Elsliger'

Subject: FW: NCR for D3610-041 B32832

Jason.

I got a sketch from Leanne illustrating the problem. Therefore, the repair you have outlined below is acceptable for this part.

David

From: David Shepherd [mailto:dshepherd@dartaero.com]

Sent: Thursday, August 30, 2007 10:51 AM

To: 'Jason Murdoch' Cc: 'Leanne Elsliger'

Subject: RE: NCR for D3610-041 B32832

Jason.

I had asked Leanne for some sort of sketch/picture so that I was clear.

I haven't received that yet.

Maybe between the 2 of you, you could get me something.

David

From: Jason Murdoch [mailto:jmurdoch@dartaero.com]

Sent: Wednesday, August 29, 2007 9:54 AM To: davids@dartaero.com; David Shepherd Subject: NCR for D3610-041 B32832

Hi again. There was a D3610-041 bracket that the holes were only spot drilled, by a center drill bit, 0.025" in diameter, 0.020" deep, and positioned .144" off the center of the part, due to an incorrect origin. The material that is being machined is 4141 steel bar. What I had done, was the holes were filled with weld, buffed and then remachined. I don't see this changing the material temper. The part looks great. Is this acceptable to you?

jmurdoch@dartaero.com
O.C. COORDINATOR

No virus found in this incoming message.

Checked by AVG Free Edition.

Version: 7.5.484 / Virus Database: 269.12.10/977 - Release Date: 8/28/2007 4:29 PM

No virus found in this outgoing message. Checked by AVG Free Edition.

## Jason Murdoch

From: David Shepherd [dshepherd@dartaero.com]

Sent: Tuesday, September 04, 2007 11:06 AM

To: 'Leanne Elsliger'; 'Jason Murdoch'

Subject: RE: NCR D3610-1 B32832

Acceptable deviation.

David

From: Leanne Elsliger [mailto:lelsliger@dartaero.com]

Sent: Tuesday, September 04, 2007 7:00 AM

To: 'Jason Murdoch' Cc: 'David Shepherd'

Subject: RE: NCR D3610-1 B32832

This sounds fine to me.

Leanne

From: Jason Murdoch [mailto:jmurdoch@dartaero.com]

Sent: September 4, 2007 8:56 AM

To: 'Leanne Elsliger'
Cc: 'David Shepherd'

Subject: NCR D3610-1 B32832

Good morning, Leanne. There was one bracket the was machined too thick. The Dwg is 0.250" thick, and the part is 0.270". 0.010" over tolerance, is this acceptable?

jmurdoch@dartaero.com Q.C. COORDINATOR

No virus found in this incoming message.

Checked by AVG Free Edition.

Version: 7.5.485 / Virus Database: 269.13.3/986 - Release Date: 9/3/2007 9:31 AM

No virus found in this outgoing message.

Checked by AVG Free Edition.

Version: 7.5.485 / Virus Database: 269.13.3/986 - Release Date: 9/3/2007 9:31 AM

			1.25